


# STATE OF NEW HAMPSHIRE

## INTER-DEPARTMENT COMMUNICATION

  
**FROM:** Matt Urban  
Wetlands Program Manager

**DATE:** March 15, 2018

**AT (OFFICE):** Department of Transportation

**SUBJECT** **Permit Amendment Request**  
Portsmouth-Kittery, 15731  
(DES # 20014-01053)

Bureau of Environment

**TO** Gino Infascelli, Public Works Permitting Officer  
New Hampshire Wetlands Bureau  
29 Hazen Drive, P.O. Box 95  
Concord, NH 03302-0095

Forwarded herewith is the request to amend DES permit #2014-01053, prepared by McFarland Johnson for the New Hampshire Department of Transportation (DOT).

The need for the proposed amendment has been summarized in the attached narrative. Also included is a revised impact summary table and impact plan sheets.

Due to the Time of Year (TOY) restrictions for in water work, this amendment is an "After-the-Fact" amendment request as the work has already been completed to meet the deadline to be out of the water by March 15<sup>th</sup> as outlined in permit condition #16 so as to avoid impacts or disturbance during a fish migration or larval setting stage of shellfish. A permit application is being prepared for submission to be filed separately for the proposed floating dock, to be located easterly of the boat ramp, per the recommendation of NHDES.

This project has already met the \$10,000.00 application fee cap and therefore no additional payment has been made.

The lead people to contact for this project are Robert Landry, Bureau of Bridge Design (217-2731 or Robert.Landry@dot.nh.gov) or Matt Urban, Wetlands Program Manager, Bureau of Environment (271-3226 or Matt.Urban@dot.nh.gov).

If and when this amendment requests meets with the approval of the Bureau, please send the permit directly to Matt Urban, Wetlands Program Manager, Bureau of Environment.

MRU:mru  
Enclosures  
cc:  
Bureau of Environment (Original)  
City of Portsmouth  
Steven Miller, Portsmouth Con. Comm  
Michael Johnson, NOAA Fisheries (via electronic notification)  
Collis Adam, NHDES Wetlands Bureau, (via electronic notification)  
Ted Diers, NHDES Watershed Bureau, (via electronic notification)  
Steve Couture, NHDES Coastal Program (via electronic notification)  
Robert Landry, Bridge Design (via electronic notification)  
Kevin Nyhan, Bureau of Environment (via electronic notification)  
Marc Laurin, Bureau of Environment (via electronic notification)  
Cassandra Chase, FHWA Maine Division, (via electronic notification)  
Ron Taylor, Maine DOT, (via electronic notification)  
Jeff Folsom, Maine DOT, (via electronic notification)  
Nicki Hunter, Construction, (via electronic notification)  
Darrel Elliott, Bureau of Environment (via electronic notification)

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**Portsmouth-Kittery 15731**  
**Sarah Mildred Long Bridge Replacement**

**Standard Dredge and Fill Wetlands Permit 2014-01053**  
**Permit Amendment Request**

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The NH Department of Transportation, in cooperation with the Maine Department of Transportation, is in the process of replacing the Sarah Mildred Long Bridge (US Route 1 Bypass) between Portsmouth, NH and Kittery, Maine. The project involves construction of a new 2,631-foot two-level bridge (road and rail) over the Piscataqua River with a major lift span system and 1,554 feet of approaches. Impacts to the Piscataqua River, associated wetlands, and tidal buffer zone have been authorized under NH Wetlands Permit 2014-01053 and Army Corps Permit NAE-2013-01623.

It was recently determined that the 2014 permit impact plans did not fully identify proposed grading and stone scour protection associated with the boat ramp. Additionally, impacts for a proposed floating dock to be constructed adjacent to a relocated boat ramp, located within the NH State Port Authority property, were not identified on the impact plans. The boat ramp and floating dock are required to provide functional replacement due to the impacts on the Port facilities, including the removal of a portion of the Barge Wharf and the removal of an existing boat launch ramp.

Through discussions with the NHDES Wetlands Bureau, it was determined that a permit amendment request should be submitted for the grading and scour protection at the boat ramp, and a separate permit application should be submitted for the proposed floating dock. Therefore, this permit amendment request is for additional impacts associated with grading and scour protection at the new boat ramp. The additional impacts will be as follows:

1,387 sq ft of permanent impact below HOTL (E1UB3/E2US1)  
See Impact Locations BB\_A1; BB\_A2; BB\_A3 on enclosed plans

1,527 sq ft of permanent impact to TBZ (developed)  
See Impact Locations PP\_A1; PP\_A2 on enclosed plans

The total permanent impacts to tidal wetlands and tidal buffer zone for the overall project were 48,001 sq ft. The additional impacts increase permanent impacts to 50,915 sq ft, an increase of approximately 6%.

The enclosed Wetland Plan No. 2 depicts the additional impacts with the locations labeled as noted above. The impact summary table has been revised to include these additional impact areas (see shaded rows in table).

The grading and scour protection at the boat ramp are included in the project's Stormwater Pollution Prevention Plan and all appropriate erosion and sedimentation control measures will be implemented.

**Portsmouth-Kittery 15731  
Sarah Mildred Long Bridge Replacement**

**Standard Dredge and Fill Wetlands Permit 2014-01053  
Permit Amendment Request**

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Details on the proposed floating dock will be provided in a separate permit application. Installation of the dock will not take place until all necessary permits and approvals are obtained.



Photo showing location of proposed boat ramp (3/7/2018)

SDR PROCESSED  
NEW DESIGN  
SHEET CHECKED  
AS BUILT DETAILS

MEDOT  
DATE  
DATE  
DATE  
DATE

01/2014

DATE

REVISIONS AFTER PROPOSAL

STATION

STATION

DATE

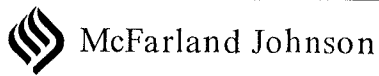
NUMBER

DESCRIPTION

LOC	WETLAND PLAN NO.	COWARDIN CLASSIF.	WET NO.	NHWP TBZ TEMP	NHWP TBZ PERM	NHWP TEMP	NHWP PERM	NHWP TEMP + PERM	IMPACT DESCRIPTION
A	1	E2US3	3			15,243		15,243	temp causeway from Market Street
B	1	E2US3	3			264		264	Abt 1V construction
C	1	E2US3	3			509		509	abutment removal
D	1	TBZ	2	19,281	9,652			28,933	roadway approach, retaining wall
E	1,2	TBZ	4,8	34				34	temporary trestle piles
F	1,2	E2US3	5,7			137		137	temporary trestle piles
G	1,2,3	E1UB3	6			687		687	temporary trestle piles
H	1	E2US3	3			236		236	Pier 1 removal
I	1	E2US3	3			296		296	Pier 2 removal
J	1	E2US3/ TBZ	3/4	318		339		657	Pier 3 removal legs only
K	1	TBZ	4	750				750	Pier 4 removal
L	1	E2US3/ TBZ	5/4	266		471		737	Pier 5 removal
M	1,2	E1UB3	6			441		441	Pier 6 removal
Q	1	E2US3	3				671	671	PV1 construction
R	1	E1UB3	6				672	672	PV2 construction
S	2	E2US1	7			665		665	Pier 7 removal
T	2	TBZ	8		6,698			6,698	rr approach and Pier 8 removal
U	2	TBZ	8		3,261			3,261	rr approach
V	2	E2US1	7			1,235		1,235	temp work causeway
W	2	TBZ	8	222				222	Pier 9 removal
X	2	TBZ	8	657				657	Pier 12 removal
Y	2	TBZ	8	830				830	Pier 13 removal
Z	2	E2US1	7				3,776	3,776	rr approach
AA	2	E1UB3/ E2US1	6/7				672	672	PV3 construction
BB	2	E1UB3/ E2US1	6/7				1,700	1,700	boat ramp construction
BB_A1	2	E1UB3/ E2US1	6/7				663	663	Grading for boat ramp
BB_A2	2	E1UB3/ E2US1	6/7				20	20	Grading for boat ramp
BB_A3	2	E1UB3/ E2US1	6/7				704	704	Grading for boat ramp
CC	2	E2US1	7				1,500	1,500	RR Abutment
DD	2	E1UB3	6				79	79	PR4 construction - 1 - 10' drilled shaft

LOC	WETLAND PLAN NO.	COWARDIN CLASSIF.	WET NO.	NHWP TBZ TEMP	NHWP TBZ PERM	NHWP TEMP	NHWP PERM	NHWP TEMP + PERM	IMPACT DESCRIPTION
EE	2	E1UB3	6				675	675	P55 construction - 2 - 10' drilled shafts - pier cap
FF	2	E1UB3	6				79	79	PR6 construction 1 - 10' drilled shaft
GG	2	E1UB3	6				675	675	P57 construction - 2 - 10' drilled shafts - pier cap
JJ	1	PEM1EX	1	724	347	1,028	1,480	3,579	treatment swale construction
KK	2,3	E1UB3	6			1,520		1,520	P16 removal
LL	3	E1UB3	6			1,915		1,915	P17 removal
MM	3	E1UB3	6				79	79	PR8 construction 1 - 10' drilled shaft
NN	3	E1UB3	6				7,598	7,598	Fender footprint over drilled shafts
OO	2	E2US1	7			236		236	Temp impact Pier 13 removal
PP	2	TBZ	8		1,619			1,619	boat ramp construction
PP_A1	2	TBZ	8		858			858	Grading for boat ramp
PP_A2	2	TBZ	8		669			669	Grading for boat ramp
RR	2	E1UB3	6			600		600	temp impact Pier 14 removal
SS	2	E1UB3	6			1,560		1,560	temp impact Pier 15 removal
TT	1	TBZ	4	293				293	temp causeway Cutts Cove
UU	1	E2US1	5			1,112		1,112	Access demolition
VV	1	E2US1	5			417		417	Access construction
WW	1	TBZ	4	1,384				1,384	temp causeway North Mill Pond
XX	2	E2US1	7			1,338		1,338	temp causeway west of RR tracks
YY	2	TBZ	2	516				516	temp causeway west of RR tracks
ZZ	2	TBZ	8	710				710	temp causeway off railroad
AAA	2	TBZ	8	426				426	temp causeway off railroad
BBB	2	E2US1	7			108		108	temp causeway off railroad
CCC	3	E1UB3	6				2,234	2,234	submarine cables dredge and fill to depth
DDD	3	E1UB3	6				854	854	submarine cables concrete mat
FFF	1	E2US3	3			256		256	PV1 within cofferdam
GGG	1	E1UB3	6			348		348	PV2 within cofferdam
HHH	2	E1UB3	6			256		256	PV3 within cofferdam
III	3	E1UB3	6				808	808	submarine cable (south)
JJJ	3	E1UB3	6				2,872	2,872	rubble pile removal
				26,411		31,217		57,628	TOTAL TEMPORARY IMPACT (SQUARE FEET)
					23,104		27,811	50,915	TOTAL PERMANENT IMPACT (SQUARE FEET)
								108,543	TOTAL IMPACT, TEMPORARY AND PERMANENT (SQUARE FEET)
				0.61	0.50	0.64	0.64	2.49	TOTAL IMPACT ACRES

N	1	E2US3	3	208	Pier 1 removal
O	1	E2US3	3	243	Pier 2 removal
P	1	E1UB3	6	243	Pier 6 removal
HH	2	E1UB3/ E2US3	6/7	9,057	Barge wharf removal (does not include new boat ramp and railroad abutment areas)
QQ	2	E1UB3	6	720	P15 removal
EEE	2	E2US1	7	952	boat ramp removal
				10,423	TOTAL TIDAL WETLANDS RESTORED (SQUARE FEET)



REVISED 3/9/18

STATE OF NEW HAMPSHIRE

DEPARTMENT OF TRANSPORTATION • BUREAU OF HIGHWAY DESIGN

WETLAND IMPACT SUMMARY

DCN

STATE PROJECT NO.

SHEET NO.

TOTAL SHEETS

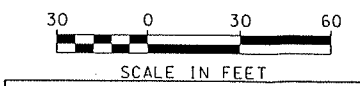
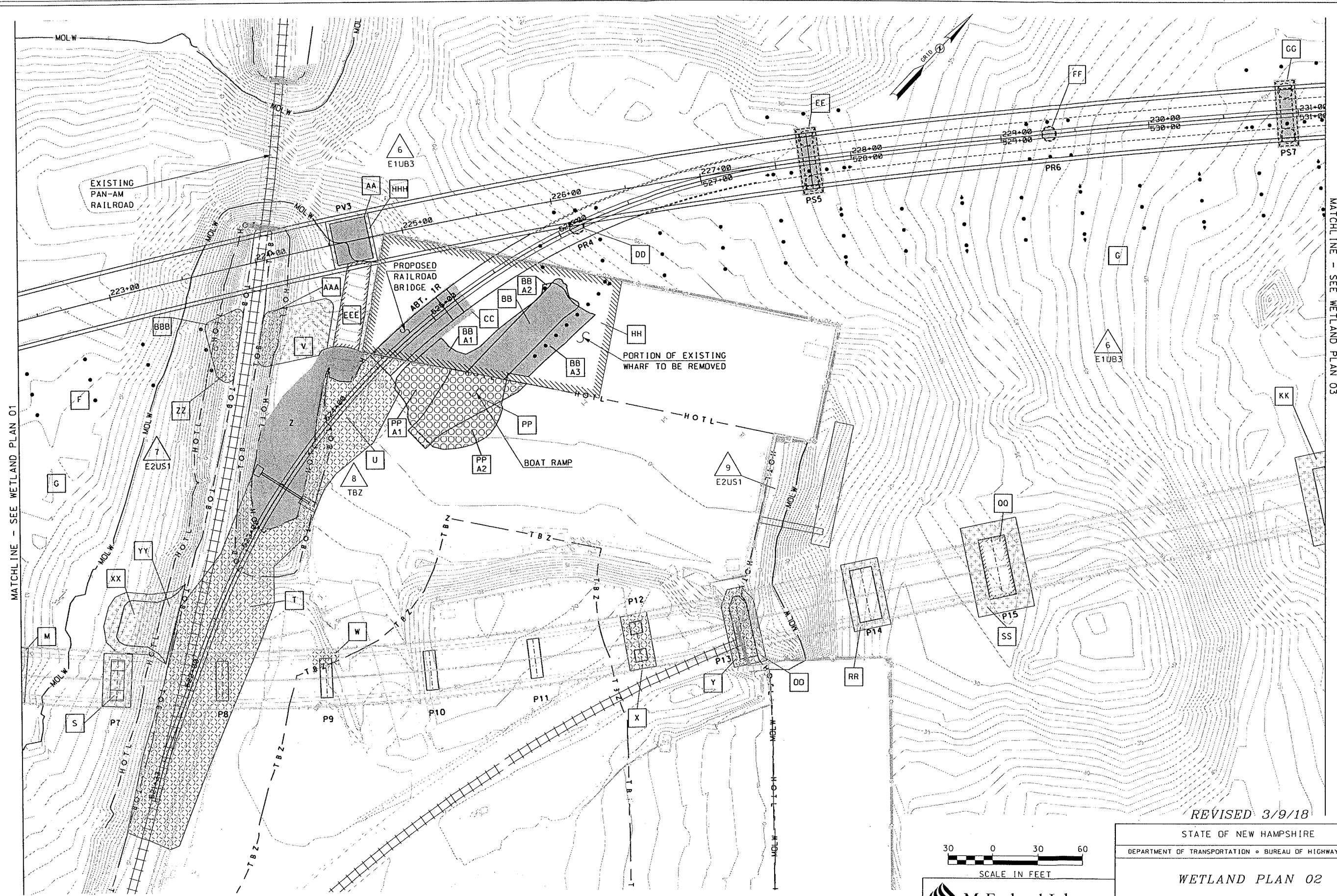
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15731

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DATE		REVISIONS AFTER PROPOSAL	
SUR PROCESSED	MEDOT	NUMBER	STATION
NEW DESIGN	MEDOT	DATE	DATE
SHEET CHECKED	VPC		
AS BUILT DETAILS			



McFarland Johnson

STATE OF NEW HAMPSHIRE			
DEPARTMENT OF TRANSPORTATION • BUREAU OF HIGHWAY DESIGN			
WETLAND PLAN 02			
OGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
wetland02	15731	2	2

MATCHLINE - SEE WETLAND PLAN 03

REVISED 3/9/18